19. Explain the different types of application software?

20. Compare and contrast assemblers, compilers, and interpreters. Provide examples of each and discuss their respective roles in program execution, including the advantages and disadvantages of each approach.

NOVEMBER/DECEMBER 2025

23USCS33 — FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : Three hours Maximum : 75 marks

Shanmuga Industries Arts & Science College T.V.Malai

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What is a computer? Define its key functions?

2. What are the two major advantages of a computer?

3. Differentiate between impact and non-impact printers.

4. What is the function of a plotter?

5. What is a floppy disk, and what was its primary use?

6. What is primary memory?

7. What is the primary purpose of word processing software?

8. What are the disadvantages of machine language programming?

9. What is the role of an interpreter in software execution?

10. What is multiprocessing?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Define a computer and explain its essential characteristics.

Or

(b) Describe the various input and output devices in a computer.

12. (a) Differentiate between CRT and LCD monitors, and explain the advantages and disadvantages of each type.

Or

(b) Write short notes on plotter.

13. (a) Write short notes on flash drive.

Or

(b) Write the difference between ROM and RAM.

14. (a) Write short notes on DBMS software.

Or

(b) Explain the various types of system software.

15. (a) Write short notes on windows operating system.

Or

(b) Explain the features and limitations of the DOS Operating System.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss the classification of computers into supercomputers, mainframes, minicomputers, and microcomputers, highlighting their uses.

17. What are non-impact printers? Describe their types with examples.

18. Differentiate between primary storage and secondary storage, highlighting their roles in a computer system.